

ELEMENTARY EXERCISES RELATED TO history05.pdf

These problems come from the following book:

M. Lewinter and W. Wildulski. *The Saga of Mathematics: A Brief History.*
Prentice-Hall, Upper Saddle River NJ, 2002.

1. Horses cost 8 coins and cows cost 6 coins. How many of each can be purchased with 106 coins?
2. Ducks cost 5 coins and chickens cost 4 coins. How many of each can be purchased with 27 coins?
3. What combination of quarters and dimes will amount to 78 cents?
4. Horses cost 8 coins, cows cost 5 coins, and 2 pigs cost 1 coin. 264 animals cost 264 coins. How many animals of each can be purchased?
5. Ducks cost 7 coins, chickens cost 5 coins, and 3 starlings cost 1 coin. 60 animals cost 60 coins. How many animals of each can be purchased?
6. What combination of half dollars, quarters and dimes will amount to 6 dollars if there are 18 coins?